

Figure 1A

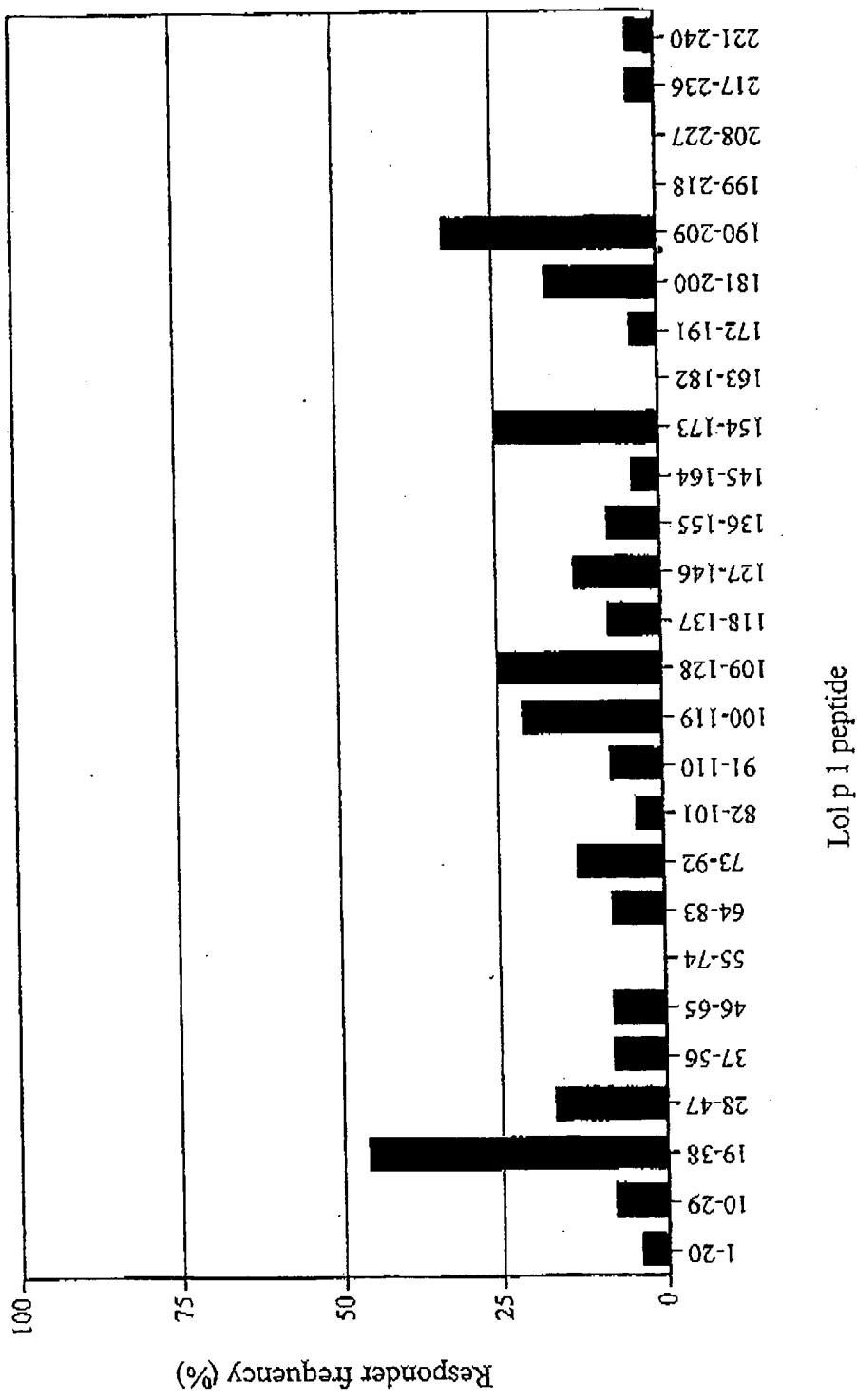


Figure 1B

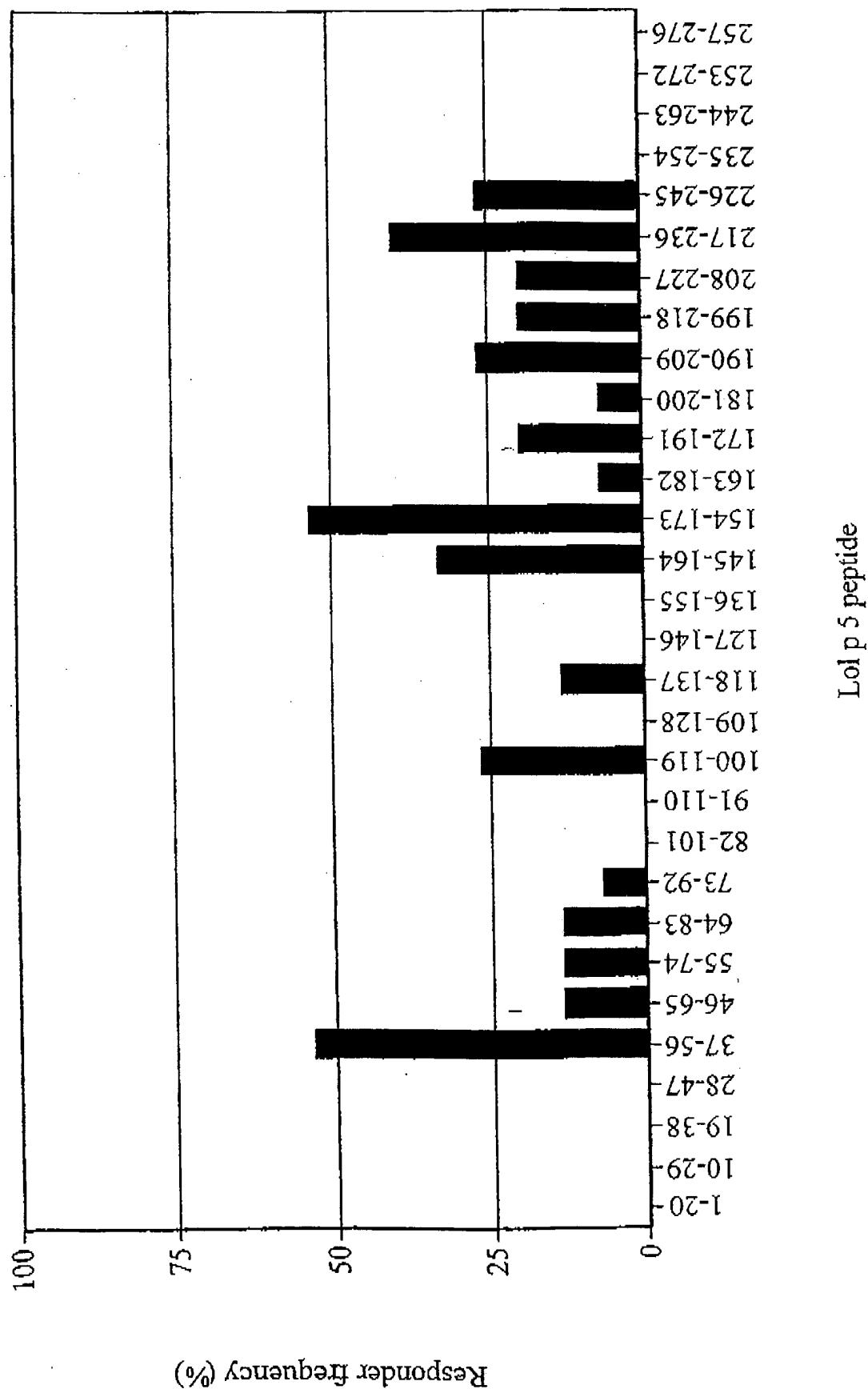


Figure 2

Peptide	SEQ ID NO: 3	1-20	<sup>1</sup> IARKVPPGPNITAEYGDKNLD <sup>20</sup>
	SEQ ID NO: 4	11-29	<sup>10</sup> IITAEYGDKNLD <sup>29</sup>
	SEQ ID NO: 5	19-38	<sup>19</sup> LDAKSTWYGKPTGAGPKDNG <sup>38</sup>
	SEQ ID NO: 6	28-47	<sup>29</sup> KPTGAGPKDNGGACGYKDVG <sup>47</sup>
	SEQ ID NO: 7	37-56	<sup>37</sup> NGGACGYKDVGKAPFNGMTG <sup>56</sup>
	SEQ ID NO: 8	46-65	<sup>46</sup> VDVKAPENGMTGCNTPIFKD <sup>65</sup>
	SEQ ID NO: 9	55-74	<sup>55</sup> TGCGNTPIFKDGRGCCGSCFE <sup>74</sup>
	SEQ ID NO: 10	64-83	<sup>64</sup> KDGRGCGSCFEIKCTKPESC <sup>83</sup>
	SEQ ID NO: 11	73-92	<sup>73</sup> FEIJKCTKPESCSGEAVTVT <sup>92</sup>
	SEQ ID NO: 12	82-101	<sup>82</sup> SCSGEAVTVTIDNEEPKA <sup>101</sup>
	SEQ ID NO: 13	91-110	<sup>91</sup> TITDDNEEEPLAPYHFDSLGH <sup>110</sup>
	SEQ ID NO: 14	100-119	<sup>100</sup> IAPYHFDSLGHAFGSM <sup>119</sup>
	SEQ ID NO: 15	109-128	<sup>109</sup> GHAFGSM <sup>128</sup>
	SEQ ID NO: 16	118-137	<sup>118</sup> KGEEQNVRSAEELQERRV <sup>137</sup>
	SEQ ID NO: 17	127-146	<sup>127</sup> AGELELQERRW <sup>146</sup>
	SEQ ID NO: 18	136-155	<sup>136</sup> RWKCKYPPDTKPTF <sup>155</sup>
	SEQ ID NO: 19	145-164	<sup>145</sup> TKPTFHV <sup>164</sup>
	SEQ ID NO: 20	154-173	<sup>154</sup> GSNPN <sup>173</sup>
	SEQ ID NO: 21	163-182	<sup>163</sup> GSNPN <sup>182</sup>
	SEQ ID NO: 22	172-191	<sup>172</sup> GSNPN <sup>191</sup>
	SEQ ID NO: 23	181-200	<sup>181</sup> KGKDRWIEIKESNGAM <sup>200</sup>
	SEQ ID NO: 24	190-209	<sup>190</sup> KESNGAM <sup>209</sup>
	SEQ ID NO: 25	199-218	<sup>199</sup> IDTPD <sup>218</sup>
	SEQ ID NO: 26	208-227	<sup>208</sup> PTV <sup>227</sup>
	SEQ ID NO: 27	217-236	<sup>217</sup> GCTKSEVEDV <sup>236</sup>
	SEQ ID NO: 28	221-240	<sup>221</sup> SEVEDV <sup>240</sup>

# Figure 3

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Peptide	SEQ ID NO: 29	1-20	1 <sup>a</sup> ADAGYTPAAAKTPTPATP <sup>20</sup>
	SEQ ID NO: 30	11-29	1 <sup>a</sup> AATPATPATPATPATPATP <sup>29</sup>
	SEQ ID NO: 31	19-38	1 <sup>a</sup> TPAAAGGKTTDEQKILLEDV <sup>38</sup>
	SEQ ID NO: 32	28-47	2 <sup>a</sup> TTDEQKILLEDVNGEKAAYA <sup>47</sup>
	SEQ ID NO: 33	37-56	3 <sup>a</sup> DVNAGFKAVALAAANAPPAD <sup>56</sup>
	SEQ ID NO: 34	46-65	4 <sup>a</sup> VAAVAAANAPPADKFKEEAAE <sup>65</sup>
	SEQ ID NO: 35	55-74	5 <sup>a</sup> ADKFKEEAAFSESSKGLLA <sup>74</sup>
	SEQ ID NO: 36	64-83	6 <sup>a</sup> AFSESSKGLLATSAAKAPGL <sup>83</sup>
	SEQ ID NO: 37	73-92	7 <sup>a</sup> LATSAAKAPGLIPKLDTAYD <sup>92</sup>
	SEQ ID NO: 38	82-101	8 <sup>a</sup> GLIPKLDTAYDVAAYKAAECA <sup>101</sup>
	SEQ ID NO: 39	91-110	9 <sup>a</sup> YDVAYKAAEGATPEAKYDRAF <sup>110</sup>
	SEQ ID NO: 40	100-119	10 <sup>a</sup> GATPEAKYDRAFVTALEALR <sup>119</sup>
	SEQ ID NO: 41	109-128	10 <sup>a</sup> AFVTALEALRVIAGALEHV <sup>128</sup>
	SEQ ID NO: 42	118-137	11 <sup>a</sup> LRVIAGALEVHAAVKPATEEV <sup>137</sup>
	SEQ ID NO: 43	127-146	12 <sup>a</sup> VHAAVKPATEEVPAAKIPTGE <sup>146</sup>
	SEQ ID NO: 44	136-155	13 <sup>a</sup> EVPAAKIPTGELOIYDKIDA <sup>155</sup>
	SEQ ID NO: 45	145-164	14 <sup>a</sup> GEOIYDKIDAFAFKIAATAAR <sup>164</sup>
	SEQ ID NO: 46	154-173	15 <sup>a</sup> DAFKIAATAARNAPTNDFK <sup>173</sup>
	SEQ ID NO: 47	163-182	16 <sup>a</sup> AAKAPPTNDKFTVFEESAFNK <sup>182</sup>
	SEQ ID NO: 48	172-191	17 <sup>a</sup> KALNECTGGAYETYKETIPS <sup>190</sup>
	SEQ ID NO: 49	181-200	18 <sup>a</sup> AYETYKETIPSLEAVKQAY <sup>200</sup>
	SEQ ID NO: 50	190-209	19 <sup>a</sup> GRAYTYKETIPSLEAVKQAY <sup>209</sup>
	SEQ ID NO: 51	199-218	20 <sup>a</sup> AYATVAAAPEVKYAVFEAA <sup>218</sup>
	SEQ ID NO: 52	208-227	21 <sup>a</sup> PEEKYAVFEALTKAITMT <sup>226</sup>
	SEQ ID NO: 53	217-236	22 <sup>a</sup> ALTKAITMTQHQKACKPA <sup>234</sup>
	SEQ ID NO: 54	236-245	23 <sup>a</sup> MTQHQKACKPAAAAATGAAT <sup>245</sup>
	SEQ ID NO: 55	235-254	24 <sup>a</sup> PRAAAHTGAAATVGRATAAA <sup>254</sup>
	SEQ ID NO: 56	244-263	25 <sup>a</sup> ATVVRGAAATAGRATAAAG <sup>272</sup>
	SEQ ID NO: 57	253-272	25 <sup>a</sup> TGAAATAGRATAAAGGGYKA <sup>276</sup>
	SEQ ID NO: 58	257-276	

## Figure 4

5A	ADAGYTPAAAATPATPAATPAAA-----GGKATT	30
5C	....T..AA....T..ATPAAG-----G.....D	30
5B	....A..TP....A..TAATPATPATPATPAAVPS....E	42
5A	EQKLLEDVNAGFKAAVAAAANAPPADKF <u>K</u> IFEA <u>A</u> FSE <u>S</u> SK--	72
5C	....L.DV.....D.NA.....F.I.EAA.SESCK--	72
5B	....I.KI.....A.VV.....Y.T.VET.GTATNKA	84
5A	---GLLAT-SAAKAPGLIPKLD <u>T</u> AYDVAYKAA <u>E</u> GATPEAKYD	108
5C	---.LAT-SDAKAPG.I <u>L</u> ..TDYDV..KAGE.....	108
5B	FVE..ASGYADQSKNQ.TS...AALKL..E.AQ.....	126
5A	AFVTALTEALRVIAGALEVHAVKPATEEV <u>P</u> AA <u>K</u> IP <u>T</u> GELQIV	150
5C	.F.TA.....A.....T...PAAK..TG.L.IV	150
5B	.Y.AT.....T.....A...KVGA..AA.V.LI	168
5A	DK <u>I</u> DAAF <u>K</u> IAATAANAA <u>P</u> TND <u>K</u> FTVF <u>E</u> AFN <u>K</u> ALNE <u>C</u> TGGAY	192
5C	..I...FKI.....T.....SA..K.LKECT.G..	192
5B	..V...YRT.....A.....NT..N.IKVSL.A..	210
5A	ETYKFIPS <u>L</u> AAVKQAYAAT <u>V</u> AAPEVKYAV <u>F</u> EAALT <u>K</u> AITA	234
5C	ET.....S.E.....TTV.A.....A.F.A..T..I..	234
5B	DS.....T.V.....AKQ.T.....T.S.T..K..V..	252
5A	MT <u>Q</u> A <u>K</u> AG <u>K</u> PAAA-----AT <u>G</u> AAT <u>V</u> AT	261
5C	.SQ.Q.VAK.....-----GAATV..	261
5B	.SE.E.EAT.....TATPTPAATATATPAAY..ATPAA..	294
5A	GAATAAAGAAT-AAAGGYKA	276
5C	G...A..GG...A	276
5B	AT..P..AT..P.....V	314
		SEQ ID NO: 59
		SEQ ID NO: 60
		SEQ ID NO: 61